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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number		
			Filing Date		
			First Named Inventor	Constantine P. GRIGORPOULOS	
			Group Art Unit		
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	UCB-6 (B01-108)

[illegible][illegible]

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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(UCB6SB08A-B/ca:5)

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	Constantine P.
		Group Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	UCB-6 (B01-108)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AI.	N.R. Bieri et al,	"Microstructuring by printing and laser curing of nanoparticle solutions", Applied Physics Letters, Vol. 82, No. 20, 19 May 2003, pp. 3529-3531.	
AJ.	N.R. Bieri et al,	"Manufacturing of Electrically Conductive Microstructures by Dropwise Printing and Laser Curing of Nanoparticle-Suspensions", Proceedings of IMECE2002, ASME International Mechanical Engineering Congress & Exposition, (© 2002 ASME), November 17-22, 2002, New Orleans, Louisiana, pp. 1-8.	
AK.	D.B. Bogy et al,	"Experimental and Theoretical Study of Wave Propagation Phenomena in Drop-on-Demand Ink Jet Devices", IBM J. Res. Develop., Vol. 28, No. 3, May 1984, pp. 314-321.	
AL.	Ph. Buffat et al,	"Size effect on the melting temperature of gold particles", Physical Review A, Vol. 13, No. 6, June 1976, pp. 2287-2298.	
AM.	J.F. Dijksman,	"Hydrodynamics of small tubular pumps", J. Fluid Mech. (1984), Vol. 139, pp. 173-191.	
AN.	Sawyer Fuller et al,	"Ink Jet Fabricated Nanoparticle Mems", Proceedings IEEE 13th Annual International Conference of Micro Electro Mechanical Systems IEEE 2000, Piscataway, NJ (© 2000 IEEE), pp. 138-141.	
AO.	Sawyer B. Fuller et al,	"Ink-Jet Printed Nanoparticle Microelectromechanical Systems", Journal of Microelectromechanical Systems, Vol. 11, No. 1, February 2002 (© 2002 IEEE), pp. 54-60.	
AP.	G.V. Shivashankar et al,	"Biomolecular recognition using submicron laser lithography", Applied Physics Letters, Vol. 73, No. 3, 20 July 1998 (© 1998 American Institute of Physics), pp. 417-427.	
AQ.	John B. Szczech et al,	"Fine-Line Conductor Manufacturing Using Drop-On-Demand PZT Printing Technology", IEEE Transactions on Electronics Packaging Manufacturing, Vol. 25, No. 1, January 2002 (© 2002 IEEE), pp. 26-33.	

Examiner Signature		Date Considered	
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(UCB6SB08A-B/ca:5)

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicants: Constantine P. GRIGOROPOULOS,
Nicole René BIERI,
Dimos POULIKAKOS,
Jaewon CHUNG

Atty. Doc.: UCB-6(B01-108)

Serial No.:

Filed:

Group Art Unit:

Confirmation No.:

Examiner:

Title: **A METHOD FOR PRODUCING A STRUCTURE USING
NANOPARTICLES**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

DISCLOSURE STATEMENT

The applicants respectfully request that the following references be considered in the examination of the above-identified application. A copy of each reference is enclosed.

United States Patents

<u>Patent Number</u>	<u>Inventor</u>	<u>Date Issued</u>	<u>Class</u>
AA. 6,331,056	Nohr et al	Dec. 18, 2001	347/102
AB. 5,391,841	Quick	Feb. 21, 1995	174/258
AC. 4,910,118	Adair et al	March 20, 1990	430/138

European Published Patent Application

<u>Publication No.</u>	<u>Publication Date</u>
AD. 0 417 294	March 20, 1991

Japanese Published Patent Applications

<u>Publication No.</u>	<u>Publication Date</u>
AE. 2000-104101	April 11, 2000
AF. 11-350107	Dec. 21, 1999

International Published Patent Applications

<u>Publication No.</u>	<u>Publication Date</u>
AG. WO 00/10197	Feb. 24, 2000
AH. WO 99/53738	Oct. 21, 1999

Publications

- AI. N.R. Bieri et al, "Microstructuring by printing and laser curing of nanoparticle solutions", Applied Physics Letters, Vol. 82, No. 20, 19 May 2003, pp. 3529-3531.
- AJ. N.R. Bieri et al, "Manufacturing of Electrically Conductive Microstructures by Dropwise Printing and Laser Curing of Nanoparticle-Suspensions", Proceedings of IMECE2002, ASME International Mechanical Engineering Congress & Exposition, (© 2002 ASME), November 17-22, 2002, New Orleans, Louisiana, pp. 1-8.
- AK. D.B. Bogy et al, "Experimental and Theoretical Study of Wave Propagation Phenomena in Drop-on-Demand Ink Jet Devices", IBM J. Res. Develop., Vol. 28, No. 3, May 1984, pp. 314-321.

- AL. Ph. Buffat et al, "Size effect on the melting temperature of gold particles", Physical Review A, Vol. 13, No. 6, June 1976, pp. 2287-2298.
- AM. J.F. Dijksman, "Hydrodynamics of small tubular pumps", J. Fluid Mech. (1984), Vol. 139, pp. 173-191.
- AN. Sawyer Fuller et al, "Ink Jet Fabricated Nanoparticle Mems", Proceedings IEEE 13th Annual International Conference of Micro Electro Mechanical Systems IEEE 2000, Piscataway, NJ (© 2000 IEEE), pp. 138-141.
- AO. Sawyer B. Fuller et al, "Ink-Jet Printed Nanoparticle Microelectromechanical Systems", Journal of Microelectromechanical Systems, Vol. 11, No. 1, February 2002 (© 2002 IEEE), pp. 54-60.
- AP. G.V. Shivashankar et al, "Biomolecular recognition using submicron laser lithography", Applied Physics Letters, Vol. 73, No. 3, 20 July 1998 (© 1998 American Institute of Physics), pp. 417-427.
- AQ. John B. Szczech et al, "Fine-Line Conductor Manufacturing Using Drop-On-Demand PZT Printing Technology", IEEE Transactions on Electronics Packaging Manufacturing, Vol. 25, No. 1, January 2002 (© 2002 IEEE), pp. 26-33.

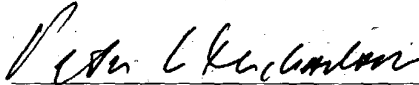
REMARKS

Under rule 37 C.F.R. 1.98(a) (effective March 16, 1992), since the above-cited references (AA-AD, AG and AI-AQ) are in the English language, the applicants submit that no specific comments are necessary for any of these. An English-language abstract accompanies References AE, AF and AH.

For the Examiner's convenience, the applicants
have attached a completed modified Form PTO/SB/08A-B hereto.

Respectfully submitted,

July 15, 2003



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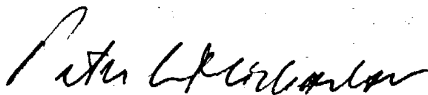
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